ABSTRACT OF THE DISCLOSURE

A model is provided for embedding complex operation, administration and

5   maintenance (OAM) interface business rules in a system in a manner that enables the
system to effectively perform collection and batch-mode application of transactions
through complex OAM interfaces. The configuration method for collection and batch-
mode application of transactions defined by settings for a target system having an
operation, administration and maintenance (OAM) interface includes the following steps:

10   constructing a virtual representation in a software model of the target system, where the
virtual representation emulates the OAM interface of the target system; providing
collection tools to interact with the virtual representation of the target system to establish
values for the plurality of settings; and applying the established values for settings to the
target system in a batch-mode. The configuration system and method will permit more

15   effective implementations of user-friendly task-flow (i.e. wizard) programming. Further,
configurations that apply to multiple complex systems can be created, and then delivered to
those systems in a scheduled manner.